

# Index to Volume 69

## INDEX TO AUTHORS

- Aebi C  
See Zweber A. Article 71, Issue 4.
- Alemam R  
See Lonie JM. Article 29, Issue 2.
- Alsharif NZ  
Evaluation of Performance and Learning Parity  
Between Campus-based and Web-based Medicinal Chemistry  
Courses. Article 33, Issue 2.
- Altieri R  
See Turner CJ. Article 21, Issue 2.
- Anaya G  
See Anderson HM. Article 12, Issue 1.  
See Anderson HM. Article 39, Issue 2.  
See Bird E. Article 53, Issue 3.
- Anderson HM  
Online Student Course Evaluations: Review of  
Literature and a Pilot Study. Article 05, Issue 1.  
Preface: A Methodological Series on Assessment. Article 11,  
Issue 1.  
A Review of Educational Assessment. Article 12, Issue 1.  
See Bird E. Article 53, Issue 3.  
Student Learning Outcomes Assessment: A Component of  
Program Assessment.  
Article 39, Issue 2.
- Aparasu RR  
See Houghum JE. Article 43, Issue 3.
- Armitstead JA  
See Trapskin PJ. Article 28, Issue 2.
- Asa-Eley MT  
See Droegge M. Article 44, Issue 3.
- Austin Z  
Continuous Professional Development: A Qualitative Study of  
Pharmacists' Attitudes, Behaviors, and Preferences in  
Ontario, Canada. Article 04, Issue 1.  
Faculty, Student, and Practitioner Development Within a  
Community of Practice. Article 55, Issue 3.  
See Duncan-Hewitt W. Article 54, Issue 3.  
Teaching and Assessing Primary Care Skills: The Family  
Practice Simulator Model. Article 68, Issue 4.
- Baker E  
Impact of a Lecture on Pharmacy Students' Interests in and  
Perceived Barriers to Residency Training. Article 65, Issue 4.
- Beck DE  
Learning Communities and Sustaining Excellence. Article 80,  
Issue 5.  
Meet the President. Article 76, Issue 4.
- Belgeri M  
See Evans S. Article 46, Issue 3.
- Beney J  
See Devine EB. Article 61, Issue 4.
- Bennett MS  
See Pruchnicki MC. Article 22, Issue 2.
- Berensen NM  
See Cole SW. Article 34, Issue 2.
- Bero LA  
See Devine EB. Article 61, Issue 4.
- Bilger R  
See Chereson RS. Article 03, Issue 1.
- Bird E  
Beginning an Assessment Project: A Case Study Using Data  
Audit and Content Analysis. Article 53, Issue 3.  
See Anderson HM. Article 05, Issue 1.  
See Anderson HM. Article 12, Issue 1.  
See Anderson HM. Article 39, Issue 2.
- Boje KMK  
A Pharmaceutical Biotechnology Virtual Laboratory. Article 24,  
Issue 2.
- Boyer GJ  
See Zarembski DG. Article 02, Issue 1.
- Bramble JD  
See Alsharif NZ. Article 33, Issue 2.
- Brandt BF  
See Romanelli F. Article 20, Issue 2.
- Brazeau GA  
Risk Taking: A Distinguishing Factor of Good versus Great  
Teachers. Article 74, Issue 4.
- Breslow RM  
A Comparison of Academic Performance of Off-Campus  
Nontraditional PharmD Students With Campus Based  
PharmD Students. Article 08, Issue 1.
- Bricker JD  
See Surratt C. Article 90, Issue 5.
- Brock KA  
See Jackson T. Article 98, Issue 5.
- Brown LL  
Book Reviews. Article 78, Issue 4.
- Brown MC  
Internet-Based Medical Chart for Documentation and  
Evaluation of Simulated Patient Care Activities. Article 30,  
Issue 2.
- Bruskewitz RH  
Availability and Acceptability of Distance-Learning  
Delivery Systems for Continuing Pharmaceutical  
Education. Article 25, Issue 2.
- Bumgardner MA  
See Westberg S. Article 82, Issue 5.
- Cain J  
See Anderson HM. Article 05, Issue 1.
- Carter RA  
Planting Faculty Seed. Article 94, Issue 5.
- Cates ME  
Therapeutic Drug Management of Lithium. Article 88, Issue 5.
- Chapman R  
See Alsharif NZ. Article 33, Issue 2.
- Cheng JWM  
Management of Stable Angina and Acute Coronary Syndromes.  
Article 99, Issue 5.
- Chereson RS  
Design of a Pharmaceutical Care Laboratory: A Survey of  
Practitioners. Article 03, Issue 1.
- Chisholm MA  
See Duke LJ. Article 104, Issue 5.
- Christoff JJ  
See Faulkner TP. Article 07, Issue 1.
- Chrymko M  
See Baker E. Article 65, Issue 4.
- Clark L  
See Turner CJ. Article 21, Issue 2.
- Cochran GA  
See Mort JR. Article 31, Issue 2.
- Cole SW  
Comparison of Drug Information Practice Curriculum  
Components in US Colleges of Pharmacy. Article 34, Issue 2.
- Conrad P  
Drug Use Management and Policy Residency: A Service-  
Learning Application. Article 96, Issue 5.
- Credé M  
See Kuncel NR. Article 51, Issue 3.
- Croteau D  
See Austin Z. Article 04, Issue 1.

- Dahdal WY  
See Jackson T. Article 98, Issue 5.
- Dahm SN  
See Ragan RE. Article 47, Issue 3.
- Daniel KP  
See Ward CT. Article 50, Issue 3.
- Davis GA  
See Trapskin PJ. Article 28, Issue 2.
- DeLander GE  
Optimizing Professional Education in Pharmacy: Are the Ingredients as Important as the Recipe? Article 35, Issue 2.
- Delfinis TM  
See Houghlum JE. Article 43, Issue 3.
- De Muth JE  
See Bruskiwitz RH. Article 25, Issue 2.
- Dennis VC  
Longitudinal Student Self-Assessment in an Introductory Pharmacy Practice Experience Course. Article 01, Issue 1.
- Desselle SP  
Construction, Implementation, and Analysis of Summated Rating Attitude Scales. Article 97, Issue 5.
- Devine EB  
Equity, Accountability, Transparency: Implementation of the Contributorship Concept in a Multi-site Study. Article 61, Issue 4.
- Dhing C  
See Lonie JM. Article 29, Issue 2.
- Diaz-Gilbert M  
Writing Skills of Advanced Pharmacy Practice Experience Students Whose First or Best Language Is Not English. Article 101, Issue 5.
- DiPiro JT  
Do You Have a Conflict? Article 18, Issue 1.  
The Pharmacist's Right to Refuse: A Learning Opportunity. Article 92, Issue 5.  
Report of the Journal Editor. Article S2.
- Dolder CR  
Use of E-Mail Communication to Develop Relationships Between Pharmacy Students and Patients. Article 27, Issue 2.
- Dolovich L  
See Austin Z. Article 68, Issue 4.
- Dominelli A  
Book Reviews. Article 13, Issue 1.
- Draugalis JR  
Recruitment, Retention, and Renewal With a Little Respect. Article 79, Issue 5.  
See Plaza CM. Article 45, Issue 3.  
Survey Research Anyone? (Sometimes You Just Have to Say "No"). Article 16, Issue 1.
- Drennen III JK  
See Surratt C. Article 90, Issue 5.
- Droege M  
Pharmacists as Care Providers: Personal Attributes of Recent Pharmacy Graduates. Article 44, Issue 3.
- Duba V  
Book Reviews. Article 106, Issue 5.
- Duke LJ  
Student Attitudes, Values, and Beliefs Regarding Professionalism. Article 104, Issue 5.
- Duncan-Hewitt W  
The Development of a Professional: Reinterpretation of the Professionalization. Problem From the Perspective of Cognitive/Moral Development. Article 06, Issue 1.  
Pharmacy Schools as Expert Communities of Practice? A Proposal to Radically Restructure Pharmacy Education to Optimize Learning. Article 54, Issue 3.  
See Austin Z. Article 55, Issue 3.
- Dutta A  
The FPGEE Curriculum Requirement: An Insurmountable Hurdle? Article 105, Issue 5.
- Evans S  
The Geriatric Medication Game in Pharmacy Education. Article 46, Issue 3.
- Farmer KC  
See Vesta KS. Article 48, Issue 3.
- Faulkner TP  
Pilot Study of a Distance-Learning Methodology Used on Campus for First Professional Degree Pharmacy Students in an Integrated Therapeutics Module. Article 07, Issue 1.
- Fincham JE  
Pharmacy Curricula and Bellwether Changes in Payment for Pharmacy Practice Services. Article 57, Issue 3.
- Fink III JL  
The Importance of Administrators in Higher Education Continuing to Teach. Article 75, Issue 4.
- Fjortoft N  
Students' Motivations for Class Attendance. Article 15, Issue 1.
- Flynn AJ  
The Current State of Pharmacy Informatics Education in Professional Programs at US Colleges of Pharmacy. Article 66, Issue 4.
- Flynn AA  
Advancing the Academy's Agenda Through Volunteer Service. Article 95, Issue 5.
- Fontane P  
See Evans S. Article 46, Issue 3.
- Francioni-Proffitt D  
See Kadi A. Article 69, Issue 4.
- Galt KA  
Book Reviews. Article 40, Issue 2.
- Gardner SF  
See Stowe CD. Article 41, Issue 3.
- Garrelts MacLean L  
See Zweber A. Article 71, Issue 4.
- George AK  
Book Reviews. Article 106, Issue 5.
- Gibbs RB  
See Poloyac S. Article 91, Issue 5.
- Glover NM  
See Austin Z. Article 04, Issue 1.
- Gurney MK  
Book Reviews. Article 106, Issue 5.
- Hamilton WR  
Instilling Practical Knowledge About Nonprescription Product Use. Article 84, Issue 5.
- Hansen LB  
See McCollum M. Article 42, Issue 3.
- Hardin TC  
Book Reviews. Article 59, Issue 3.
- Hastings JK  
Changes in Pharmacy Student Motivation During Progression Through the Curriculum. Article 38, Issue 2.
- Hill LH  
See Sicut BL. Article 62, Issue 4.  
Student and Preceptor Perception of Performance in Advanced Pharmacy Practice Experiences. Article 63, Issue 4.
- Hindle M  
See Kadi A. Article 69, Issue 4.
- Hong SH  
See Hastings JK. Article 38, Issue 2.
- Honkakoski P  
See Mäkinen J. Article 26, Issue 2.
- Houghlum JE  
Predictors of Academic Success and Failure in a Pharmacy Professional Program. Article 43, Issue 3.
- Huang XH  
Book Reviews. Article 59, Issue 3.
- Jackson TL  
The Use of a Scholarship Committee to Foster Scholarly Growth of Pharmacy Practice Faculty. Article 98, Issue 5.

- Janjic JM  
See Poloyac S. Article 91, Issue 5.
- Jones JD  
See King K. Article 87, Issue 5.
- Jones RM  
See Monaghan MS. Article 19, Issue 2.  
See Lenz MJ. Article 67, Issue 4.
- Jones-Walker J  
See Powers MF. Article 70, Issue 4.
- Kadi A  
Evaluation of Basic Compounding Skills of Pharmacy Students. Article 69, Issue 4.
- Karimi R  
Teaching Glycolysis with the Student's Perspective in Mind. Article 85, Issue 5.
- Kennedy WK  
See Duke LJ. Article 104, Issue 5.
- Kennie N  
See Austin Z. Article 68, Issue 4.
- King C  
See Zeind CS. Article 100, Issue 5.
- King KD  
Microvascular and Macrovascular Complications of Diabetes Mellitus. Article 87, Issue 5.
- Kirkwood CK  
See Hill LH. Article 63, Issue 4.
- Kirtley J  
See Vanderbush RE. Article 64, Issue 4.
- Kirwin JL  
Service-Learning at a Camp for Children With Asthma as Part of an Advanced Pharmacy Practice Experience. Article 49, Issue 3.
- Klieger DM  
See Kuncel NR. Article 51, Issue 3.
- Koenigsfeld CF  
See Tice AL. Article 10, Issue 1.
- Krause JE  
Teaching Pharmacy Practice Courses in a First-Professional Year PharmD Curriculum. Article 83, Issue 5.
- Kroboth PD  
See Poloyac S. Article 91, Issue 5.
- Kuncel NR  
A Meta-Analysis of the Validity of the Pharmacy College Admission Test (PCAT) and Grade Predictors of Pharmacy Student Performance. Article 51, Issue 3.
- Latif DA  
Pharmacogenetics and Pharmacogenomics Instruction in Colleges and Schools of Pharmacy in the United States. Article 23, Issue 2.
- Lau E  
See Austin Z. Article 68, Issue 4.
- Legg JE  
See Pruchnicki MC. Article 22, Issue 2.
- Lenz TL  
Faculty Workload Comparison Between a Campus-based and Internet-based Patient Assessment Course. Article 67, Issue 4.
- Leslie SW  
Pharmacy Faculty Workforce: Increasing the Numbers and Holding to High Standards of Excellence. Article 93, Issue 5.  
Li L  
Book Reviews. Article 78, Issue 4.
- Lind PR  
See Westberg S. Article 82, Issue 5.
- Lombardo M  
See Evans S. Article 46, Issue 3.
- Lonie J  
Assessing Pharmacy Student Self-Reported Empathic Tendencies. Article 29, Issue 2.
- MacDonald K  
See Zeind CS. Article 100, Issue 5.
- Maffeo C  
See Turner CJ. Article 21, Issue 2.
- Maine LL  
The Class of 2015. Article 56, Issue 3.  
The Continuum of Learning – Cross Disciplinary Lessons. Article 17, Issue 1.
- Mäkinen J  
Teaching the Basics of Nuclear Receptor Action: A Simple Laboratory Exercise Using the Yeast Two-Hybrid Method. Article 26, Issue 2.
- Mallya U  
See Shah B. Article 102, Issue 5.
- Marine L  
Bigger, Better, Faster = Stronger. Article 81, Issue 5.
- Marini A  
See Austin Z. Article 64, Issue 1.  
See Austin Z. Article 68, Issue 4.
- Mayer AN  
See Patton JM. Article S2.
- McCollum M  
Characteristics of Doctor of Pharmacy Graduates Entering and Not Entering Residency Training Upon Graduation. Article 42, Issue 3.
- McCord AD  
See Jackson T. Article 98, Issue 5.
- McDuffie CH  
See Duke LJ. Article 104, Issue 5.
- McKay AB  
See Latif DA. Article 23, Issue 2.
- Mehanna AS  
Insulin and Oral Antidiabetic Agents. Article 89, Issue 5.
- Mehvar R  
Role of Protein Binding in Pharmacokinetics. Article 103, Issue 5.
- Meyer SM  
See Patton JM. Article S2.
- Mihm D  
See Lonie JM. Article 29, Issue 2.
- Miller MS  
See Duke LJ. Article 104, Issue 5.
- Mohamed E  
Book Reviews. Article 59, Issue 3.
- Mohr S  
See Chereson RS. Article 03, Issue 1.
- Monaghan MS  
Designing an Assessment for an Abilities-Based Curriculum. Article 19, Issue 2.  
See Lenz MJ. Article 67, Issue 4.
- Montagne M  
Book Reviews. Article 13, Issue 1.
- Moore DL  
See Bird E. Article 53, Issue 3.  
See Anderson HM. Article 12, Issue 1.  
See Anderson HM. Article 39, Issue 2.
- Moridani MY  
The Significance of Pharmacogenomics in Pharmacy Education and Practice. Article 37, Issue 2.
- Mort JR  
Geriatric Education Centers: Teaching and Learning Opportunities for Pharmacists. Article 31, Issue 2.
- Mungall D  
See Pruchnicki MC. Article 22, Issue 2.
- Murphy J  
See Conrad P. Article 96, Issue 5.
- Napoli KM  
See Kirwin JL. Article 49, Issue 3.

- Nappi J  
The Role of Residencies in the Education Continuum. Article 58, Issue 3.
- Nemire RE  
See Ward CT. Article 50, Issue 3.
- Nwokeji ED  
Pharmacoeconomic Education in Colleges of Pharmacy Outside of the United States. Article 52, Issue 3.
- Odegard PS  
See Mort JR. Article 31, Issue 2.
- Ogunbadeniya AM  
See Alsharif NZ. Article 33, Issue 2.
- Oliver N  
See Faulkner TP. Article 07, Issue 1.
- Padron VA  
See Hamilton W. Article 84, Issue 5.
- Parkhurst C  
See Zeind CS. Article 100, Issue 5.
- Parrish II RH  
Book Reviews. Article 40, Issue 2.  
Correction to Book Review. Article 14, Issue 1.
- Patton JM  
The Pharmacy Student Population: Applications Received 2003-04, Degrees Conferred 2003-04, Fall 2004 Enrollments. Article S2.
- Petersen S  
See Mäkinen J. Article 26, Issue 2.
- Piper T  
See Boje KMK. Article 24, Issue 2.
- Plaza CM  
Implications of Advanced Pharmacy Practice Experience Placements: A 5-Year Update. Article 45, Issue 3.
- Poloyac SM  
Graduate Education and Research at the University of Pittsburgh (GEAR-UP): A Program to Educate Students about Pharmaceutical Research. Article 91, Issue 5.
- Powers MF  
An Interdisciplinary Collaboration to Improve Critical Thinking Among Pharmacy Students. Article 70, Issue 4.
- Pruchnicki MC  
Development and Implementation of a Web-Based Advanced Teaching Experience. Article 22, Issue 2
- Ragan RE.  
Development of an Internet-based Management Tool for Advanced Practice Experience Distance Education Students. Article 47, Issue 3.
- Raman-Wilms L  
Applying Therapeutic Knowledge and Skills in a Large Group Problem-Based Class. Article 86, Issue 5.
- Rascati KL  
See Nwokeji ED. Article 52, Issue 3.
- Repka MA  
Book Reviews. Article 78, Issue 4.
- Roche VF  
Antihyperlipidemic Statins: A Self-Contained, Clinically Relevant Medicinal Chemistry Lesson. Article 77, Issue 4.  
See Alsharif NZ. Article 33, Issue 2.
- Rohan LC  
See Poloyac S. Article 91, Issue 5.
- Romanelli F  
The Pharmacotherapy of the Modern Day Epidemic Infection with Human Immunodeficiency Virus (HIV). Article 72, Issue 4.  
Teaching Residents How to Teach: A Scholarship of Teaching and Learning Certificate Program (STLC) for Pharmacy Residents. Article 20, Issue 2.
- Sauciunac C  
See Boje KMK. Article 24, Issue 2.
- Seiler SN  
See Kuncel NR. Article 51, Issue 3.
- Sellors C  
See Austin Z. Article 68, Issue 4.
- Shah B  
Pharmacy Students Perspectives on Classroom Education About Herbal Supplements. Article 102, Issue 5.
- Shah S  
See Shah B. Article 102, Issue 5.
- Sheffield MC  
See Duke LJ. Article 104, Issue 5.
- Sicat BL  
Enhancing Student Knowledge About the Prevalence and Consequences of Low Health Literacy. Article 62, Issue 4.
- Siganga W  
See Shah B. Article 102, Issue 5.
- Signatur DJ  
See Zarembski DG. Article 09, Issue 1.
- Sims PJ  
See Cates M. Article 88, Issue 5.
- Sketris I  
See Conrad P. Article 96, Issue 5.
- Smith KM  
See Romanelli F. Article 20, Issue 2.  
See Trapskin PJ. Article 28, Issue 2.
- Smith RB  
See Poloyac S. Article 91, Issue 5.
- Soine W  
See Kadi A. Article 69, Issue 4.
- Spunt AL  
See Zarembski DG. Article 09, Issue 1.
- Stipek WJ  
See Vesta KS. Article 48, Issue 3.
- Stowe CD  
Real-Time Standardized Participant Grading of an Objective Structured Clinical Examination. Article 41, Issue 3.
- Supernaw RB  
See Dolder CR. Article 27, Issue 2.
- Surratt CK  
The "Research Track" Concentration, a New PharmD Elective Option. Article 90, Issue 5.
- Sweeney MA  
See Faulkner TP. Article 07, Issue 1.
- Tabak D  
See Austin Z. Article 68, Issue 4.
- Thomas LL  
See Kuncel NR. Article 51, Issue 3.
- Tice AL  
A Home Screening and Monitoring Device Elective and the Impact of a "Secret Shopper" Experience. Article 10, Issue 1.
- Trapskin PJ  
Use of an Audience Response System to Introduce an Anticoagulation Guide to Physicians, Pharmacists, and Pharmacy Students. Article 28, Issue 2.
- Travlos DV  
See Vlasses PH. Article 32, Issue 2.
- Turner CJ  
Competency-Based Introductory Pharmacy Practice Experiential Courses. Article 21, Issue 2.
- Valdez C  
See Turner CJ. Article 21, Issue 2.
- Van Amburgh JA  
See Kirwin JL. Article 49, Issue 3.
- Vanderbush RE  
Evaluating Internet-based Multimedia Vignettes for Teaching Ophthalmic and Otic Drug Administration Techniques. Article 64, Issue 4.
- Vesta KS  
Pharmacy Students' Perspectives on the Value of Taking Call During Acute Care Practice Experiences. Article 48, Issue 3.

#### Vlasses PH

Annual Report of the Accreditation Council for Pharmacy Education. Article 32, Issue 2.

See Zaremski DG. Article 02, Issue 1.

#### Wadelin JW

See Zaremski DG. Article 09, Issue 1.

See Vlasses PH. Article 32, Issue 2.

#### Wall GC

See Tice AL. Article 10, Issue 1.

#### Ward CT

The Development and Assessment of a Medical Mission Elective Course. Article 50, Issue 3.

#### Warthen J

See King K. Article 87, Issue 5.

#### West DS

See Vanderbush RE. Article 64, Issue 4.

See Hastings JK. Article 38, Issue 2.

#### Westberg SM

Enhancing Cultural Competency in a College of Pharmacy Curriculum. Article 82, Issue 5.

#### Wizwer P

See Zeind CS. Article 100, Issue 5.

#### Woo SE

See Kuncel NR. Article 51, Issue 3.

#### Wuller C

See Chereson RS. Article 03, Issue 1.

#### Yanchick VA

Greater Implementation of Competency Guidelines in the Pharmacy Curriculum Needed. Article 36, Issue 2.

#### Youmans SL

Book Reviews. Article 40, Issue 2.

#### Zaremski DG

Comparative NAPLEX Performance of Graduates of US Pharmacy Programs Accredited by ACPE Prior to and Since 1992. Article 09, Issue 1.

A Survey of Advanced Community Pharmacy Practice Experiences in the Final Year of the PharmD Curriculum at US Colleges and Schools of Pharmacy. Article 02, Issue 1.

#### Zdanowicz M

See Zeind CS. Article 100, Issue 5.

#### Zeind CS

Developing a Sustainable Faculty Mentoring Program. Article 100, Issue 5.

#### Zgarrick DP

See Jackson T. Article 98, Issue 5.

#### Zweber A

A Collaborative Student Project to Evaluate Switching Prescription Medications to Nonprescription Status. Article 71, Issue 4.

### SUBJECT INDEX

#### Abilities-Based Curriculum

Designing an Assessment for an Abilities-Based Curriculum. Monaghan MS, Jones RM. Article 19, Issue 2.

#### Academic Failure

Predictors of Academic Success and Failure in a Pharmacy Professional Program. Hougum JE, Aparasu RR, Delfinis TM. Article 43, Issue 3.

#### Academic Performance

A Comparison of Academic Performance of Off-Campus Nontraditional PharmD Students With Campus-Based PharmD Students. Breslow RM. Article 08, Issue 1.

#### Academic Pharmacy

Developing a Sustainable Faculty Mentoring Program. Zeind CS, Zdanowicz M, MacDonald K, Parkhurst C, King C, Wizwer P. Article 100, Issue 5.

#### Academic Success

Predictors of Academic Success and Failure in a Pharmacy Professional Program. Hougum JE, Aparasu RR, Delfinis TM. Article 43, Issue 3.

#### Accreditation

Comparative NAPLEX Performance of Graduates of US Pharmacy Programs Accredited by ACPE Prior to and Since 1992. Zaremski DG, Signatur DJ, Spunt AL, Wadelin JW. Article 09, Issue 1.

#### ACPE Report

Annual Report of the Accreditation Council for Pharmacy Education. Vlasses PH, Wadelin JW, Travlos DV. Article 32, Issue 2.

#### Acquired Immunodeficiency Syndrome (AIDS)

The Pharmacotherapy of the Modern Day Epidemic Infection with Human Immunodeficiency Virus (HIV). Romanelli F. Article 72, Issue 4.

#### Acute Coronary Syndromes

Management of Stable Angina and Acute Coronary Syndromes. Cheng J. Article 99, Issue 5.

#### Addresses

Learning Communities and Sustaining Excellence. Beck D. Article 80, Issue 5.

Bigger, Better, Faster = Stronger. Marine L. Article 81, Issue 5.

Recruitment, Retention, and Renewal With a Little Respect.

Draugalis J. Article 79, Issue 5.

#### Admission

A Meta-Analysis of the Validity of the Pharmacy College Admission Test (PCAT) and Grade Predictors of Pharmacy Student Performance. Kuncel NR, Credé M, Thomas LL, Klieger DM, Seiler SN, Woo SE. Article 51, Issue 3.

#### Adult Education

Availability and Acceptability of Distance-Learning Delivery Systems for Continuing Pharmaceutical Education. Bruskiewitz RH, De Muth JE. Article 25, Issue 2.

#### Advanced Pharmacy Practice Experience

Pharmacy Students' Perspectives on the Value of Taking Call During Acute Care Practice Experiences. Vesta KS, Farmer KC, Stipek WJ. Article 48, Issue 3.

Implications of Advanced Pharmacy Practice Experience

Placements: A 5-Year Update. Plaza CM, Reiersen Draugalis J. Article 45, Issue 3.

Writing Skills of Advanced Pharmacy Practice Experience

Students Whose First or Best Language Is Not English. Diaz-Gilbert M. Article 101, Issue 5.

A Survey of Advanced Community Pharmacy Practice

Experiences in the Final Year of the PharmD Curriculum at US Colleges and Schools of Pharmacy. Zaremski DG, Boyer JG, Vlasses PH. Article 02, Issue 1.

Service-Learning at a Camp for Children With Asthma as Part of an Advanced Pharmacy Practice Experience. Kirwin JL, Van Amburgh JA, Napoli KM. Article 49, Issue 3.

Development of an Internet-based Management Tool for Advanced Practice Experience Distance Education Students. Ragan RE, Dahm SN. Article 47, Issue 3.

Student and Preceptor Perception of Performance in Advanced Pharmacy Practice Experiences. Hill LH, Kirkwood CK. Article 63, Issue 4.

Development and Implementation of a Web-Based Advanced Teaching Experience. Pruchnicki MC, Bennett MS, Legg JE, Mungall D. Article 22, Issue 2.

#### Albumin

Role of Protein Binding in Pharmacokinetics. Mehvar R. Article 103, Issue 5.

#### Alpha 1-Acid Glycoprotein

Role of Protein Binding in Pharmacokinetics. Mehvar R. Article 103, Issue 5.



## Alternative Medicine

- Pharmacy Students Perspectives on Classroom Education About Herbal Supplements. Shah B, Siganga W, Mallya U, Shah S. Article 102, Issue 5.

## American Association of Colleges of Pharmacy

- 2005 Report of the Board of Directors to the AACP House of Delegates. Article S16.
- Advancing the Academy's Agenda Through Volunteer Service. Flynn A. Article 95, Issue 5.
- Engaging Communities: Academic Pharmacy Addressing Unmet Public Health Needs. Report of the 2004-05 Argus Commission. Article S22.
- Ensuring Individual Success in an Academic Career: Final Report of the 2004-2005 Academic Affairs Committee. Article S20.
- Experiential Education Delivery: Ensuring Success Through Support and Development of the Faculty and Administrative Team: Report of the 2004-2005 Professional Affairs Committee. Reynolds JR, Briceland LL, Carter JT, et al. Article S09.
- Final Report of the 2004-2005 Academic Sections Coordinating Committee. Allison A. Article S19.
- Final Report of the 2004-2005 Bylaws and Policy Development Committee. Article S15.
- Final Report of the 2004-2005 Council of Deans. Yanchick VA. Article S10.
- Final Report of the 2004-2005 Council of Faculties. Schwinghammer TL. Article S13.
- Impact of the NIH Roadmap on the Future of Graduate Education in Colleges and Schools of Pharmacy: Report of the 2004-2005 Research and Graduate Affairs Committee. Beck WT, Ablordeppey SY, Elmquist WF, Galt KA, Malone DC, Mount JK, Miller KW. Article S18.
- Independent Auditor's Report. Linder RG. Article S01.
- Minutes of the Board of Directors Meeting, April 9-10, 2005, Asheville, NC. Article S07.
- Minutes of the Board of Directors Meeting, February 22, 2005. Article S05.
- Minutes of the Board of Directors Meeting, July 7-8, 2005, Cincinnati, Ohio. Article S17.
- Minutes of the Board of Directors Meeting, October 22-23, 2004, Alexandria, Virginia. Article S04.
- Minutes of the Council of Deans Business Meeting, July 9, 2005, Cincinnati, Ohio. Article S11.
- Minutes of the Council of Deans Business Meeting, Washington, DC, February 8, 2005. Article S03.
- Minutes of the Council of Faculties Business Meeting, February 8, 2005, Washington, DC. Article S12.
- Minutes of the Council of Faculties Business Meeting, July 11, 2005, Cincinnati, Ohio. Article S21.
- Minutes of the House of Delegates Session, July 10-13, 2005, Cincinnati, Ohio. Article S08.
- Roster of Voting Delegates. Article S23.
- The Pharmacy Student Population: Applications Received 2003-04, Degrees Conferred 2003-04, Fall 2004 Enrollments. Patton JM, Mayer AN, Meyer SM. Article S06.
- Report of the 2004-2005 Finance Committee, July 2005, Cincinnati, Ohio. Article S14.
- Report of the Argus Commission.
- Report of the Journal Editor. DiPiro JT. Article S02.

## American College Test (ACT)

- Predictors of Academic Success and Failure in a Pharmacy Professional Program. Houghlum JE, Aparasu RR, Delfinis TM. Article 43, Issue 3.

## Analysis

- Evaluation of Basic Compounding Skills of Pharmacy Students. Kadi A, Francioni-Proffitt D, Hindle M, Soine W. Article 69, Issue 4.

## Angina

- Management of Stable Angina and Acute Coronary Syndromes. Cheng J. Article 99, Issue 5.

## Anticoagulation

- Use of an Audience Response System to Introduce an Anticoagulation Guide to Physicians, Pharmacists, and Pharmacy Students. Trapskin PJ, Smith KM, Armitstead JA, Davis GA. Article 28, Issue 2.

## Anti-Diabetic Agents

- Insulin and Oral Antidiabetic Agents. Mehanna A. Article 89, Issue 5.

## Assessment

- Student and Preceptor Perception of Performance in Advanced Pharmacy Practice Experiences. Hill LH, Kirkwood CK. Article 63, Issue 4.
- Longitudinal Student Self-Assessment in an Introductory Pharmacy Practice Experience Course. Dennis VC. Article 01, Issue 1.
- A Comparison of Academic Performance of Off-Campus Nontraditional PharmD Students With Campus-Based PharmD Students. Breslow RM. Article 08, Issue 1.
- Internet-Based Medical Chart for Documentation and Evaluation of Simulated Patient Care Activities. Brown MC. Article 30, Issue 2.
- A Review of Educational Assessment. Anderson HM, Anaya G, Bird E, Moore DL. Article 12, Issue 1.
- Preface: A Methodological Series on Assessment. Anderson HM. Article 11, Issue 1.
- Online Student Course Evaluations: Review of Literature and a Pilot Study. Anderson HM, Cain J, Bird E. Article 05, Issue 1.
- A Survey of Advanced Community Pharmacy Practice Experiences in the Final Year of the PharmD Curriculum at US Colleges and Schools of Pharmacy. Zaremski DG, Boyer JG, Vlasses PH. Article 02, Issue 1.
- Student Learning Outcomes Assessment: A Component of Program Assessment. Anderson HM, Moore DL, Anaya G, Bird E. Article 39, Issue 2.
- Competency-Based Introductory Pharmacy Practice Experiential Courses. Turner CJ, Altieri R, Clark L, Maffeo C, Valdez C. Article 21, Issue 2.
- Designing an Assessment for an Abilities-Based Curriculum. Monaghan MS, Jones RM. Article 19, Issue 2.
- Real-Time Standardized Participant Grading of an Objective Structured Clinical Examination. Stowe CD, Gardner SF. Article 41, Issue 3.

## Asthma

- Service-Learning at a Camp for Children With Asthma as Part of an Advanced Pharmacy Practice Experience. Kirwin JL, Van Amburgh JA, Napoli KM. Article 49, Issue 3.

## Asynchronous Learning

- A Pharmaceutical Biotechnology Virtual Laboratory. Boje KMK, Saucianac C, Piper T. Article 24, Issue 2.

## Attitudes

- Pharmacists as Care Providers: Personal Attributes of Recent Pharmacy Graduates. Droegge M, Assa-Eley MT. Article 44, Issue 3.
- Student Attitudes, Values, and Beliefs Regarding Professionalism. Duke LJ, Kennedy WK, McDuffie CH, Miller MS, Sheffield MC, Chisholm MA. Article 104, Issue 5.

## Attitude Scale

- Construction, Implementation, and Analysis of Summated Rating Attitude Scales. Desselle S. Article 97, Issue 5.

## Audio Teleconferencing

- Availability and Acceptability of Distance-Learning Delivery Systems for Continuing Pharmaceutical Education. Bruskiewitz RH, De Muth JE. Article 25, Issue 2.

## Audience Response System

Use of an Audience Response System to Introduce an Anticoagulation Guide to Physicians, Pharmacists, and Pharmacy Students. Trapskin PJ, Smith KM, Armitstead JA, Davis GA. Article 28, Issue 2.

## Authorship

Equity, Accountability, Transparency: Implementation of the Contributorship Concept in a Multi-site Study. Devine EB, Beney J, Bero LA. Article 61, Issue 4.

## Balances

Evaluation of Basic Compounding Skills of Pharmacy Students. Kadi A, Francioni-Proffitt D, Hindle M, Soine W. Article 69, Issue 4.

## Biotechnology

A Pharmaceutical Biotechnology Virtual Laboratory. Boje KMK, Sauciunac C, Piper T. Article 24, Issue 2.

## Bipolar Disorder

Therapeutic Drug Management of Lithium. Cates M, Sims P. Article 88, Issue 5.

## Book Reviews

*Powerful Medicines: The Benefits, Risks and Costs of Prescription Drugs.*

Reviewed By: Angela D, Article 13, Issue 1.

*Data Analysis and Presentation Skills: An Introduction for the Life and Medical Sciences.* Reviewed By: Vern D. Article 106, Issue 5.

*Pharmacy Business Management.* Reviewed By: Mary KG. Article 106, Issue 5.

*Writing in the Health Professions.* Reviewed By: Angela G. Article 106, Issue 5.

*Theory and Practice of Contemporary Pharmaceutics.*

Reviewed By: Michael AR, Article 78, Issue 4.

*Drug Discovery for Nervous System Diseases*

Reviewed By: Lingjun L, Article 78, Issue 4.

*Van Nostrand's Encyclopedia of Chemistry, 5th edition*

Reviewed By: LaVerne LB, Article 78, Issue 4.

*Handbook on Injectable Drugs, 13th edition*

Reviewed By: Mohamed EM, Article 59, Issue 3.

*Careers With the Pharmaceutical Industry, 2nd ed.*

Reviewed By: Thomas CH, Article 59, Issue 3.

*Drug and Statistics Software (DAS), version 2.0*

Reviewed By: X.H. Huang, J. Li, Article 59, Issue 3.

*Health Literacy from A to Z: Practical Ways to Communicate Your Health Message*

Reviewed By: Sharon LY, Article 40, Issue 2.

*Applied Therapeutics: The Clinical Use of Drugs, 8th ed.*

Reviewed By: Kimberly AG, Article 40, Issue 2.

*Pharmacopolitics: Drug Regulation in the United States and Germany*

Reviewed By: Richard HP II, Article 40, Issue 2.

## Byline

Equity, Accountability, Transparency: Implementation of the Contributorship Concept in a Multi-site Study. Devine EB, Beney J, Bero LA. Article 61, Issue 4.

## Calculations

Teaching Pharmacy Practice Courses in a First-Professional Year PharmD Curriculum. Krause J. Article 83, Issue 5.

## Camp

Service-Learning at a Camp for Children With Asthma as Part of an Advanced Pharmacy Practice Experience. Kirwin JL, Van Amburgh JA, Napoli KM. Article 49, Issue 3.

## Careers

Characteristics of Doctor of Pharmacy Graduates Entering and Not Entering Residency Training Upon Graduation. McCollum M, Hansen LB. Article 42, Issue 3.

## Case Studies

Applying Therapeutic Knowledge and Skills in a Large Group Problem-Based Class. Raman-Wilms L. Article 86, Issue 5.

## Certificate

Teaching Residents How to Teach: A Scholarship of Teaching and Learning Certificate Program (STLC) for Pharmacy Residents. Romanelli F, Smith KM, Brandt BF. Article 20, Issue 2.

## Class Attendance

Students' Motivations for Class Attendance. Fjortoft N. Article 15, Issue 1.

## Classroom Environment

Instilling Practical Knowledge About Nonprescription Product Use. Hamilton W, Padron V. Article 84, Issue 5.

## Clinical Evaluations

Teaching and Assessing Primary Care Skills: The Family Practice Simulator Model. Austin Z, Dolovich L, Lau E, Tabak D, Sellers C, Marini A, Kennie N. Article 68, Issue 4.

## Colleges of Pharmacy

Pharmacoeconomic Education in Colleges of Pharmacy Outside of the United States. Nwokeji ED, Rascati KL. Article 52, Issue 3.

## Communication

Assessing Pharmacy Student Self-Reported Empathic Tendencies. Lonie JM, Alemam R, Dhing C, Mihm D. Article 29, Issue 2.

## Community Pharmacy

A Survey of Advanced Community Pharmacy Practice Experiences in the Final Year of the PharmD Curriculum at US Colleges and Schools of Pharmacy. Zarembski DG, Boyer JG, Vlasses PH. Article 02, Issue 1.

Longitudinal Student Self-Assessment in an Introductory Pharmacy Practice Experience Course. Dennis VC. Article 01, Issue 1.

## Community of Practice

Faculty, Student, and Practitioner Development Within a Community of Practice. Austin Z, Duncan-Hewitt W. Article 55, Issue 3.

Pharmacy Schools as Expert Communities of Practice? A Proposal to Radically Restructure Pharmacy Education to Optimize Learning. Duncan-Hewitt W, Austin Z. Article 54, Issue 3.

## Competency

Competency-Based Introductory Pharmacy Practice Experiential Courses. Turner CJ, Altieri R, Clark L, Maffeo C, Valdez C. Article 21, Issue 2.

## Compounding

Evaluation of Basic Compounding Skills of Pharmacy Students. Kadi A, Francioni-Proffitt D, Hindle M, Soine W. Article 69, Issue 4.

Teaching Pharmacy Practice Courses in a First-Professional Year PharmD Curriculum. Krause J. Article 83, Issue 5.

## Concentration

The "Research Track" Concentration, a New PharmD Elective Option. Surratt C, Drennen J, Bricker D. Article 90, Issue 5.

## Content Analysis

Students' Motivations for Class Attendance. Fjortoft N. Article 15, Issue 1.

## Continuing Education

Availability and Acceptability of Distance-Learning Delivery Systems for Continuing Pharmaceutical Education. Bruskiewitz RH, De Muth JE. Article 25, Issue 2.

Geriatric Education Centers: Teaching and Learning Opportunities for Pharmacists. Mort JR, Odegard PS, Cochran GA. Article 31, Issue 2.

## Continuous Professional Development

Continuous Professional Development: A Qualitative Study of Pharmacists' Attitudes, Behaviors, and Preferences in Ontario, Canada. Austin Z, Marini A, Macleod Glover N, Croteau D. Article 04, Issue 1.

## Contributorship

Equity, Accountability, Transparency: Implementation of the Contributorship Concept in a Multi-site Study. Devine EB, Beney J, Bero LA. Article 61, Issue 4.

## Course Evaluations

Online Student Course Evaluations: Review of Literature and a Pilot Study. Anderson HM, Cain J, Bird E. Article 05, Issue 1.

## Critical Thinking

An Interdisciplinary Collaboration to Improve Critical Thinking Among Pharmacy Students. Powers MF, Jones-Walker J. Article 70, Issue 4.

## Cultural Competency

Enhancing Cultural Competency in a College of Pharmacy Curriculum. Westberg S, Bumgardner M, Lind P. Article 82, Issue 5.

## Curriculum

The Current State of Pharmacy Informatics Education in Professional Programs at US Colleges of Pharmacy. Flynn AJ. Article 66, Issue 4.

Pharmacy Students Perspectives on Classroom Education About Herbal Supplements. Shah B, Siganga W, Mallya U, Shah S. Article 102, Issue 5.

Enhancing Cultural Competency in a College of Pharmacy Curriculum. Westberg S, Bumgardner M, Lind P. Article 82, Issue 5.

Design of a Pharmaceutical Care Laboratory: A Survey of Practitioners. Chereson RS, Bilger R, Mohr S, Wuller C. Article 03, Issue 1.

A Survey of Advanced Community Pharmacy Practice Experiences in the Final Year of the PharmD Curriculum at US Colleges and Schools of Pharmacy. Zarembski DG, Boyer JG, Vlasses PH. Article 02, Issue 1.

Comparison of Drug Information Practice Curriculum Components in US Colleges of Pharmacy. Cole SW, Berensen NM. Article 34, Issue 2.

Pharmacogenetics and Pharmacogenomics Instruction in Colleges and Schools of Pharmacy in the United States. Latif DA, McKay AB. Article 23, Issue 2.

Designing an Assessment for an Abilities-Based Curriculum. Monaghan MS, Jones RM. Article 19, Issue 2.

Pharmacy Schools as Expert Communities of Practice? A Proposal to Radically Restructure Pharmacy Education to Optimize Learning. Duncan-Hewitt W, Austin Z. Article 54, Issue 3.

Pharmacoeconomic Education in Colleges of Pharmacy Outside of the United States. Nwokeji ED, Rascati KL. Article 52, Issue 3.

Faculty, Student, and Practitioner Development Within a Community of Practice. Austin Z, Duncan-Hewitt W. Article 55, Issue 3.

## Data Audit

Beginning an Assessment Project: A Case Study Using Data Audit and Content Analysis. Bird E, Anderson HM, Anaya G, Moore DL. Article 53, Issue 3.

## Development

The Development of a Professional: Reinterpretation of the Professionalization Problem From the Perspective of Cognitive/Moral Development. Duncan-Hewitt W. Article 06, Issue 1.

## Devices

A Home Screening and Monitoring Device Elective and the Impact of a "Secret Shopper" Experience. Tice AL, Foust Koenigsfeld C, Wall GC. Article 10, Issue 1.

## Diabetes

Microvascular and Macrovascular Complications of Diabetes Mellitus. King K, Jones J, Warthen J. Article 87, Issue 5.

## Diabetes Continued

Insulin and Oral Antidiabetic Agents. Mehanna A. Article 89, Issue 5.

## Distance Education

Development of an Internet-based Management Tool for Advanced Practice Experience Distance Education Students. Ragan RE, Dahm SN. Article 47, Issue 3.

Pilot Study of a Distance-Learning Methodology Used on Campus for First Professional Degree Pharmacy Students in an Integrated Therapeutics Module. Faulkner TP, Christoff JJ, Sweeney MA, Oliver N. Article 07, Issue 1.

Availability and Acceptability of Distance-Learning Delivery Systems for Continuing Pharmaceutical Education. Bruskewitz RH, De Muth JE. Article 25, Issue 2.

Evaluation of Performance and Learning Parity Between Campus-based and Web-based Medicinal Chemistry Courses. Alsharif NZ, Roche VF, Ogunbadeniyi AM, Chapman R, Bramble JD. Article 33, Issue 2.

## Documentation

Internet-Based Medical Chart for Documentation and Evaluation of Simulated Patient Care Activities. Brown MC. Article 30, Issue 2.

## Doctor of Pharmacy

The "Research Track" Concentration, a New PharmD Elective Option. Surratt C, Drennen J, Bricker D. Article 90, Issue 5.

## Drug Administration Techniques

Evaluating Internet-based Multimedia Vignettes for Teaching Ophthalmic and Otic Drug Administration Techniques. Vanderbush RE, Kirtley J, West D. Article 64, Issue 4.

## Drug Regulation

A Collaborative Student Project to Evaluate Switching Prescription Medications to Nonprescription Status. Zweber A, Garrelts MacLean L, Aebi C. Article 71, Issue 4.

## Drug Information

Comparison of Drug Information Practice Curriculum Components in US Colleges of Pharmacy. Cole SW, Berensen NM. Article 34, Issue 2.

## Drug Reclassification

A Collaborative Student Project to Evaluate Switching Prescription Medications to Nonprescription Status. Zweber A, Garrelts MacLean L, Aebi C. Article 71, Issue 4.

## Dyslipidemia

Antihyperlipidemic Statins: A Self-Contained, Clinically Relevant Medicinal Chemistry Lesson. Roche VF. Article 77, Issue 4.

## Education

Pharmacoeconomic Education in Colleges of Pharmacy Outside of the United States. Nwokeji ED, Rascati KL. Article 52, Issue 3.

Assessing Pharmacy Student Self-Reported Empathic Tendencies. Lonie JM, Alemam R, Dhing C, Mihm D. Article 29, Issue 2.

## Educational Software

A Pharmaceutical Biotechnology Virtual Laboratory. Boje KMK, Saucianac C, Piper T. Article 24, Issue 2.

## Elective

The "Research Track" Concentration, a New PharmD Elective Option. Surratt C, Drennen J, Bricker D. Article 90, Issue 5.

A Home Screening and Monitoring Device Elective and the Impact of a "Secret Shopper" Experience. Tice AL, Foust Koenigsfeld C, Wall GC. Article 10, Issue 1.

## E-Mail

Use of E-Mail Communication to Develop Relationships Between Pharmacy Students and Patients. Dolder CR, Supernaw RB. Article 27, Issue 2.

## Empathy

Assessing Pharmacy Student Self-Reported Empathic Tendencies. Lonie JM, Alemam R, Dhing C, Mihm D. Article 29, Issue 2.



## English as a Second Language

- Writing Skills of Advanced Pharmacy Practice Experience  
Students Whose First or Best Language Is Not English. Diaz-  
Gilbert M. Article 101, Issue 5.

## Enzymology

- Teaching Glycolysis With the Student's Perspective in Mind.  
Karimi R. Article 85, Issue 5

## Epidemic

- The Pharmacotherapy of the Modern Day Epidemic Infection  
with Human Immunodeficiency Virus (HIV). Romanelli F.  
Article 72, Issue 4.

## Ethics

- The Pharmacist's Right to Refuse: A Learning Opportunity.  
DiPiro J. Article 92, Issue 5.  
An Interdisciplinary Collaboration to Improve Critical Thinking  
Among Pharmacy Students. Powers MF, Jones-Walker J.  
Article 70, Issue 4.

## Evaluation

- Competency-Based Introductory Pharmacy Practice  
Experiential Courses. Turner CJ, Altieri R, Clark L, Maffeo  
C, Valdez C. Article 21, Issue 2.

## Experiential Curriculum

- Implications of Advanced Pharmacy Practice Experience  
Placements: A 5-Year Update. Plaza CM, Reiersen Draugalis  
J. Article 45, Issue 3.

## Experiential Learning

- Development and Implementation of a Web-Based Advanced  
Teaching Experience. Pruchnicki MC, Bennett MS, Legg JE,  
Mungall D. Article 22, Issue 2.

## Faculty

- Planting Faculty Seed. Carter R. Article 94, Issue 5.  
Developing a Sustainable Faculty Mentoring Program. Zeind  
CS, Zdanowicz M, MacDonald K, Parkhurst C, King C,  
Wizwer P. Article 100, Issue 5.  
Pharmacy Faculty Workforce: Increasing the Numbers and  
Holding to High Standards of Excellence. Leslie S. Article  
93, Issue 5.

## Faculty Development

- Developing a Sustainable Faculty Mentoring Program. Zeind  
CS, Zdanowicz M, MacDonald K, Parkhurst C, King C,  
Wizwer P. Article 100, Issue 5.  
The Use of a Scholarship Committee to Foster Scholarly  
Growth of Pharmacy Practice Faculty. Jackson T, McCord A,  
Dahdal W, Zgarrrick D, Brock K. Article 98, Issue 5.

## Faculty Workload

- Faculty Workload Comparison Between a Campus-based and  
Internet-based Patient Assessment Course. Lenz TL, Jones  
RM, Monaghan MS. Article 67, Issue 4.

## Family Practice

- Teaching and Assessing Primary Care Skills: The Family  
Practice Simulator Model. Austin Z, Dolovich L, Lau E,  
Tabak D, Sellors C, Marini A, Kennie N. Article 68, Issue 4.

## Feedback

- Teaching Pharmacy Practice Courses in a First-Professional  
Year PharmD Curriculum. Krause J. Article 83, Issue 5.

## Food and Drug Administration

- A Collaborative Student Project to Evaluate Switching  
Prescription Medications to Nonprescription Status. Zweber  
A, Garrelts MacLean L, Aebi C. Article 71, Issue 4.

## Free Drug Concentration

- Role of Protein Binding in Pharmacokinetics. Mehvar R.  
Article 103, Issue 5.

## Geriatrics

- Geriatric Education Centers: Teaching and Learning  
Opportunities for Pharmacists. Mort JR, Odegard PS,  
Cochran GA. Article 31, Issue 2.  
The Geriatric Medication Game in Pharmacy Education. Evans  
S, Lombardo M, Belgeri M, Fontane P. Article 46, Issue 3.

## Glycolysis

- Teaching Glycolysis With the Student's Perspective in Mind.  
Karimi R. Article 85, Issue 5.

## Goal orientation

- Changes in Pharmacy Student Motivation During Progression  
Through the Curriculum. Hastings JK, West DS, Hong SH.  
Article 38, Issue 2.

## Grade Point Average

- Predictors of Academic Success and Failure in a Pharmacy  
Professional Program. Hougum JE, Aparasu RR, Delfinis  
TM. Article 43, Issue 3.  
A Meta-Analysis of the Validity of the Pharmacy College  
Admission Test (PCAT) and Grade Predictors of Pharmacy  
Student Performance. Kuncel NR, Credé M, Thomas LL,  
Klieger DM, Seiler SN, Woo SE. Article 51, Issue 3.

## Graduate Education

- Graduate Education and Research at the University of  
Pittsburgh (GEAR-UP): A Program to Educate Students  
about Pharmaceutical Research. Poloyac S, Rohan L, Janjic  
J, Gibbs R, Kroboth P, Smith R. Article 91, Issue 5.

## Health Literacy

- Enhancing Student Knowledge About the Prevalence and  
Consequences of Low Health Literacy. Sicut BL, Hill LH.  
Article 62, Issue 4.

## Health Professions Education

- Pharmacy Schools as Expert Communities of Practice? A  
Proposal to Radically Restructure Pharmacy Education to  
Optimize Learning. Duncan-Hewitt W, Austin Z. Article 54,  
Issue 3.  
Faculty, Student, and Practitioner Development Within a  
Community of Practice. Austin Z, Duncan-Hewitt W. Article  
55, Issue 3.

## Herbal Supplement

- Pharmacy Students Perspectives on Classroom Education About  
Herbal Supplements. Shah B, Siganga W, Malliya U, Shah S.  
Article 102, Issue 5.

## Home Testing

- A Home Screening and Monitoring Device Elective and the  
Impact of a "Secret Shopper" Experience. Tice AL, Foust  
Koenigsfeld C, Wall GC. Article 10, Issue 1.

## Human Immunodeficiency Virus (HIV)

- The Pharmacotherapy of the Modern Day Epidemic Infection  
with Human Immunodeficiency Virus (HIV). Romanelli F.  
Article 72, Issue 4.

## Hyperlipidemia

- Antihyperlipidemic Statins: A Self-Contained, Clinically  
Relevant Medicinal Chemistry Lesson. Roche VF. Article  
77, Issue 4.

## Hypoglycemic Agents

- Insulin and Oral Antidiabetic Agents. Mehanna A. Article 89,  
Issue 5.

## Input-Environment-Outcome Model

- Beginning an Assessment Project: A Case Study Using Data  
Audit and Content Analysis. Bird E, Anderson HM, Anaya G,  
Moore DL. Article 53, Issue 3.

## Impact Assessment

- Beginning an Assessment Project: A Case Study Using Data  
Audit and Content Analysis. Bird E, Anderson HM, Anaya G,  
Moore DL. Article 53, Issue 3.

## Information

- The Current State of Pharmacy Informatics Education in  
Professional Programs at US Colleges of Pharmacy. Flynn  
AJ. Article 66, Issue 4.

## Innovations in Teaching

- Designing an Assessment for an Abilities-Based Curriculum.  
Monaghan MS, Jones RM. Article 19, Issue 2.  
A Pharmaceutical Biotechnology Virtual Laboratory. Boje  
KMK, Saucunac C, Piper T. Article 24, Issue 2.

### Innovations in Teaching *Continued*

Development and Implementation of a Web-Based Advanced Teaching Experience. Pruchnicki MC, Bennett MS, Legg JE, Mungall D. Article 22, Issue 2.

Teaching Residents How to Teach: A Scholarship of Teaching and Learning Certificate Program (STLC) for Pharmacy Residents. Romanelli F, Smith KM, Brandt BF. Article 20, Issue 2.

Competency-Based Introductory Pharmacy Practice Experiential Courses. Turner CJ, Altieri R, Clark L, Maffeo C, Valdez C. Article 21, Issue 2.

### Inpatient Medicine

Pharmacy Students' Perspectives on the Value of Taking Call During Acute Care Practice Experiences. Vesta KS, Farmer KC, Stipek WJ. Article 48, Issue 3.

### Instructional Design and Assessment

Drug Use Management and Policy Residency: A Service-Learning Application. Conrad P, Murphy J, Sketris I. Article 96, Issue 5.

The "Research Track" Concentration, a New PharmD Elective Option. Surratt C, Drennen J, Bricker D. Article 90, Issue 5.

Graduate Education and Research at the University of Pittsburgh (GEAR-UP): A Program to Educate Students about Pharmaceutical Research. Poloyac S, Rohan L, Janjic J, Gibbs R, Kroboth P, Smith R. Article 91, Issue 5.

Enhancing Student Knowledge About the Prevalence and Consequences of Low Health Literacy. Sicut BL, Hill LH. Article 62, Issue 4.

A Home Screening and Monitoring Device Elective and the Impact of a "Secret Shopper" Experience. Tice AL, Foust Koenigsfeld C, Wall GC. Article 10, Issue 1.

Design of a Pharmaceutical Care Laboratory: A Survey of Practitioners. Chereson RS, Bilger R, Mohr S, Wuller C. Article 03, Issue 1.

Longitudinal Student Self-Assessment in an Introductory Pharmacy Practice Experience Course. Dennis VC. Article 01, Issue 1.

Evaluation of Performance and Learning Parity Between Campus-based and Web-based Medicinal Chemistry Courses. Alsharif NZ, Roche VF, Ogunbadeniya AM, Chapman R, Bramble JD. Article 33, Issue 2.

Internet-Based Medical Chart for Documentation and Evaluation of Simulated Patient Care Activities. Brown MC. Article 30, Issue 2.

Use of E-Mail Communication to Develop Relationships Between Pharmacy Students and Patients. Dolder CR, Supernaw RB. Article 27, Issue 2.

Teaching the Basics of Nuclear Receptor Action: A Simple Laboratory Exercise Using the Yeast Two-Hybrid Method. Mäkinen J, Petersen S, Honkakoski P. Article 26, Issue 2.

The Development and Assessment of a Medical Mission Elective Course. Ward CT, Nemire RE, Daniel KP. Article 50, Issue 3.

Service-Learning at a Camp for Children With Asthma as Part of an Advanced Pharmacy Practice Experience. Kirwin JL, Van Amburgh JA, Napoli KM. Article 49, Issue 3.

Development of an Internet-based Management Tool for Advanced Practice Experience Distance Education Students. Ragan RE, Dahm SN. Article 47, Issue 3.

The Geriatric Medication Game in Pharmacy Education. Evans S, Lombardo M, Belgeri M, Fontane P. Article 46, Issue 3.

Student and Preceptor Perception of Performance in Advanced Pharmacy Practice Experiences. Hill LH, Kirkwood CK. Article 63, Issue 4.

Evaluating Internet-based Multimedia Vignettes for Teaching Ophthalmic and Otic Drug Administration Techniques. Vanderbush RE, Kirtley J, West D. Article 64, Issue 4.

### Instructional Design and Assessment *Continued*

Impact of a Lecture on Pharmacy Students' Interests in and Perceived Barriers to Residency Training. Baker E, Charymko M. Article 65, Issue 4.

Teaching and Assessing Primary Care Skills: The Family Practice Simulator Model. Austin Z, Dolovich L, Lau E, Tabak D, Sellors C, Marini A, Kennie N. Article 68, Issue 4.

### Insulin

Insulin and Oral Antidiabetic Agents. Mehanna A. Article 89, Issue 5.

### Integrated Case

Applying Therapeutic Knowledge and Skills in a Large Group Problem-Based Class. Raman-Wilms L. Article 86, Issue 5.

### Interactive Learning

Use of an Audience Response System to Introduce an Anticoagulation Guide to Physicians, Pharmacists, and Pharmacy Students. Trapskin PJ, Smith KM, Armitstead JA, Davis GA. Article 28, Issue 2.

### Interdisciplinary Education

An Interdisciplinary Collaboration to Improve Critical Thinking Among Pharmacy Students. Powers MF, Jones-Walker J. Article 70, Issue 4.

The Development and Assessment of a Medical Mission Elective Course. Ward CT, Nemire RE, Daniel KP. Article 50, Issue 3.

### Interprofessional education

The Continuum of Learning - Cross Disciplinary Lessons. Maine LL. Article 17, Issue 1.

### International

Pharmacoeconomic Education in Colleges of Pharmacy Outside of the United States. Nwokeji ED, Rascati KL. Article 52, Issue 3.

### Internet-Based Courses

Development of an Internet-based Management Tool for Advanced Practice Experience Distance Education Students. Ragan RE, Dahm SN. Article 47, Issue 3.

Evaluating Internet-based Multimedia Vignettes for Teaching Ophthalmic and Otic Drug Administration Techniques. Vanderbush RE, Kirtley J, West D. Article 64, Issue 4.

Internet-Based Medical Chart for Documentation and Evaluation of Simulated Patient Care Activities. Brown MC. Article 30, Issue 2.

Online Student Course Evaluations: Review of Literature and a Pilot Study. Anderson HM, Cain J, Bird E. Article 05, Issue 1.

Evaluation of Performance and Learning Parity Between Campus-based and Web-based Medicinal Chemistry Courses. Alsharif NZ, Roche VF, Ogunbadeniya AM, Chapman R, Bramble JD. Article 33, Issue 2.

Faculty Workload Comparison Between a Campus-based and Internet-based Patient Assessment Course. Lenz TL, Jones RM, Monaghan MS. Article 67, Issue 4.

### Internship

Graduate Education and Research at the University of Pittsburgh (GEAR-UP): A Program to Educate Students about Pharmaceutical Research. Poloyac S, Rohan L, Janjic J, Gibbs R, Kroboth P, Smith R. Article 91, Issue 5.

### Inter-rater Reliability

Real-Time Standardized Participant Grading of an Objective Structured Clinical Examination. Stowe CD, Gardner SF. Article 41, Issue 3.

### Introductory Pharmacy Practice Experience

Competency-Based Introductory Pharmacy Practice Experiential Courses. Turner CJ, Altieri R, Clark L, Maffeo C, Valdez C. Article 21, Issue 2.

Longitudinal Student Self-Assessment in an Introductory Pharmacy Practice Experience Course. Dennis VC. Article 01, Issue 1.

Teaching Pharmacy Practice Courses in a First-Professional Year PharmD Curriculum. Krause J. Article 83, Issue 5.

## Ischemic Heart Disease

Management of Stable Angina and Acute Coronary Syndromes.  
Cheng J. Article 99, Issue 5.

## Laboratory

A Pharmaceutical Biotechnology Virtual Laboratory. Boje  
KMK, Sauciunac C, Piper T. Article 24, Issue 2.  
Design of a Pharmaceutical Care Laboratory: A Survey of  
Practitioners. Cherson RS, Bilger R, Mohr S, Wuller C.  
Article 03, Issue 1.  
Teaching the Basics of Nuclear Receptor Action: A Simple  
Laboratory Exercise Using the Yeast Two-Hybrid Method.  
Mäkinen J, Petersen S, Honkakoski P. Article 26, Issue 2.

## Learning Assessment

Use of an Audience Response System to Introduce an  
Anticoagulation Guide to Physicians, Pharmacists, and  
Pharmacy Students. Trapskin PJ, Smith KM, Armitstead JA,  
Davis GA. Article 28, Issue 2.

## Learning Competency

Student Learning Outcomes Assessment: A Component of  
Program Assessment. Anderson HM, Moore DL, Anaya G,  
Bird E. Article 39, Issue 2.

## Letters

Correction to Book Review. Article 14, Issue 1.  
The FPGE Curriculum Requirement: An Insurmountable  
Hurdle? Dutta A. Article 105, Issue 5.

## Licensing

Comparative NAPLEX Performance of Graduates of US  
Pharmacy Programs Accredited by ACPE Prior to and Since  
1992. Zarembski DG, Signatur DJ, Spunt AL, Wadelin JW.  
Article 09, Issue 1.

## Lifelong learning

Continuous Professional Development: A Qualitative Study of  
Pharmacists' Attitudes, Behaviors, and Preferences in  
Ontario, Canada. Austin Z, Marini A, Macleod Glover N,  
Croteau D. Article 04, Issue 1.

## Ligand

Teaching the Basics of Nuclear Receptor Action: A Simple  
Laboratory Exercise Using the Yeast Two-Hybrid Method.  
Mäkinen J, Petersen S, Honkakoski P. Article 26, Issue 2.

## Likert-Type Scale

Construction, Implementation, and Analysis of Summated  
Rating Attitude Scales. Desselle S. Article 97, Issue 5.

## Literacy

Enhancing Student Knowledge About the Prevalence and  
Consequences of Low Health Literacy. Sicut BL, Hill LH.  
Article 62, Issue 4.

## Lithium

Therapeutic Drug Management of Lithium. Cates M, Sims P.  
Article 88, Issue 5.

## Longitudinal Experience

Changes in Pharmacy Student Motivation During Progression  
Through the Curriculum. Hastings JK, West DS, Hong SH.  
Article 38, Issue 2.

## Macrovascular

Microvascular and Macrovascular Complications of Diabetes  
Mellitus. King K, Jones J, Warthen J. Article 87, Issue 5.

## Medication

The Geriatric Medication Game in Pharmacy Education. Evans  
S, Lombardo M, Belgeri M, Fontane P. Article 46, Issue 3.

## Medicinal Chemistry

Antihyperlipidemic Statins: A Self-Contained, Clinically  
Relevant Medicinal Chemistry Lesson. Roche VF. Article  
77, Issue 4.  
Evaluation of Performance and Learning Parity Between  
Campus-based and Web-based Medicinal Chemistry Courses.  
Alsharif NZ, Roche VF, Ogunbadenyi AM, Chapman R,  
Bramble JD. Article 33, Issue 2.

## Meet the President

Meet the President. Beck DE. Article 76, Issue 4.

## Mentor

The Development of a Professional: Reinterpretation of the  
Professionalization Problem From the Perspective of  
Cognitive/Moral Development. Duncan-Hewitt W. Article  
06, Issue 1.

Developing a Sustainable Faculty Mentoring Program. Zeind  
CS, Zdanowicz M, MacDonald K, Parkhurst C, King C,  
Wizwer P. Article 100, Issue 5.

## Metacognition

Student and Preceptor Perception of Performance in Advanced  
Pharmacy Practice Experiences. Hill LH, Kirkwood CK.  
Article 63, Issue 4.

## Methodology

Preface: A Methodological Series on Assessment. Anderson  
HM. Article 11, Issue 1.  
A Review of Educational Assessment. Anderson HM, Anaya G,  
Bird E, Moore DL. Article 12, Issue 1.

## Microvascular

Microvascular and Macrovascular Complications of Diabetes  
Mellitus. King K, Jones J, Warthen J. Article 87, Issue 5.

## Mission

The Development and Assessment of a Medical Mission  
Elective Course. Ward CT, Nemire RE, Daniel KP. Article  
50, Issue 3.

## Motivation

Changes in Pharmacy Student Motivation During Progression  
Through the Curriculum. Hastings JK, West DS, Hong SH.  
Article 38, Issue 2.

## Multicultural Health Care

Enhancing Cultural Competency in a College of Pharmacy  
Curriculum. Westberg S, Bumgardner M, Lind P. Article 82,  
Issue 5.

## Multimedia

Evaluating Internet-based Multimedia Vignettes for Teaching  
Ophthalmic and Otic Drug Administration Techniques.  
Vanderbush RE, Kirtley J, West D. Article 64, Issue 4.  
National Association of Boards of Pharmacy Licensure  
Examination (NABPLEX)

A Meta-Analysis of the Validity of the Pharmacy College  
Admission Test (PCAT) and Grade Predictors of Pharmacy  
Student Performance. Kuncel NR, Credé M, Thomas LL,  
Klieger DM, Seiler SN, Woo SE. Article 51, Issue 3.

Comparative NAPLEX Performance of Graduates of US  
Pharmacy Programs Accredited by ACPE Prior to and Since  
1992. Zarembski DG, Signatur DJ, Spunt AL, Wadelin JW.  
Article 09, Issue 1.

## Natural Products

Pharmacy Students Perspectives on Classroom Education About  
Herbal Supplements. Shah B, Siganga W, Malliya U, Shah S.  
Article 102, Issue 5.

## Non-Native Speakers

Writing Skills of Advanced Pharmacy Practice Experience  
Students Whose First or Best Language Is Not English. Diaz-  
Gilbert M. Article 101, Issue 5.

## Nonprescription Drugs

A Collaborative Student Project to Evaluate Switching  
Prescription Medications to Nonprescription Status. Zweber  
A, Garrelts MacLean L, Aebi C. Article 71, Issue 4.  
Instilling Practical Knowledge About Nonprescription Product  
Use. Hamilton W, Padron V. Article 84, Issue 5.

## Nontraditional PharmD

Development and Implementation of a Web-Based Advanced  
Teaching Experience. Pruchnicki MC, Bennett MS, Legg JE,  
Mungall D. Article 22, Issue 2.  
A Comparison of Academic Performance of Off-Campus  
Nontraditional PharmD Students With Campus-Based  
PharmD Students. Breslow RM. Article 08, Issue 1.

## Nuclear Receptor

Teaching the Basics of Nuclear Receptor Action: A Simple  
Laboratory Exercise Using the Yeast Two-Hybrid Method.

- Nuclear Receptor Continued**  
Mäkinen J, Petersen S, Honkakoski P. Article 26, Issue 2.
- Objective Structured Clinical Examination**  
Real-Time Standardized Participant Grading of an Objective Structured Clinical Examination. Stowe CD, Gardner SF. Article 41, Issue 3.  
Teaching and Assessing Primary Care Skills: The Family Practice Simulator Model. Austin Z, Dolovich L, Lau E, Tabak D, Sellors C, Marini A, Kennie N. Article 68, Issue 4.
- On Call**  
Pharmacy Students' Perspectives on the Value of Taking Call During Acute Care Practice Experiences. Vesta KS, Farmer KC, Stipek WJ. Article 48, Issue 3.
- Ophthalmic**  
Evaluating Internet-based Multimedia Vignettes for Teaching Ophthalmic and Otic Drug Administration Techniques. Vanderbush RE, Kirtley J, West D. Article 64, Issue 4.
- Otic**  
Evaluating Internet-based Multimedia Vignettes for Teaching Ophthalmic and Otic Drug Administration Techniques. Vanderbush RE, Kirtley J, West D. Article 64, Issue 4.
- Outcome**  
A Review of Educational Assessment. Anderson HM, Anaya G, Bird E, Moore DL. Article 12, Issue 1.
- Outcome-Based Education**  
Student Learning Outcomes Assessment: A Component of Program Assessment. Anderson HM, Moore DL, Anaya G, Bird E. Article 39, Issue 2.  
Preface: A Methodological Series on Assessment. Anderson HM. Article 11, Issue 1.
- Outcome Measures**  
A Comparison of Academic Performance of Off-Campus Nontraditional PharmD Students With Campus-Based PharmD Students. Breslow RM. Article 08, Issue 1.
- Patients**  
Use of E-Mail Communication to Develop Relationships Between Pharmacy Students and Patients. Dolder CR, Supernaw RB. Article 27, Issue 2.
- Patient Care**  
Instilling Practical Knowledge About Nonprescription Product Use. Hamilton W, Padron V. Article 84, Issue 5.  
Pharmacists as Care Providers: Personal Attributes of Recent Pharmacy Graduates. Droegge M, Assa-Eley MT. Article 44, Issue 3.
- Patient Communication**  
Use of E-Mail Communication to Develop Relationships Between Pharmacy Students and Patients. Dolder CR, Supernaw RB. Article 27, Issue 2.
- Payment**  
Pharmacy Curricula and Bellwether Changes in Payment for Pharmacy Practice Services. Fincham JE. Article 57, Issue 3.
- Pediatric**  
Service-Learning at a Camp for Children With Asthma as Part of an Advanced Pharmacy Practice Experience. Kirwin JL, Van Amburgh JA, Napoli KM. Article 49, Issue 3.
- Performance**  
A Meta-Analysis of the Validity of the Pharmacy College Admission Test (PCAT) and Grade Predictors of Pharmacy Student Performance. Kuncel NR, Credé M, Thomas LL, Klieger DM, Seiler SN, Woo SE. Article 51, Issue 3.
- Pharmacists**  
Geriatric Education Centers: Teaching and Learning Opportunities for Pharmacists. Mort JR, Odegard PS, Cochran GA. Article 31, Issue 2.
- Pharmacist-Patient Relationship**  
Pharmacists as Care Providers: Personal Attributes of Recent Pharmacy Graduates. Droegge M, Assa-Eley MT. Article 44, Issue 3.
- Pharmacist-Physician Collaboration**  
Teaching and Assessing Primary Care Skills: The Family Practice Simulator Model. Austin Z, Dolovich L, Lau E, Tabak D, Sellors C, Marini A, Kennie N. Article 68, Issue 4.
- Pharmaceutical Biotechnology**  
A Pharmaceutical Biotechnology Virtual Laboratory. Boje KMK, Saucianac C, Piper T. Article 24, Issue 2.
- Pharmaceutical Care**  
Teaching Pharmacy Practice Courses in a First-Professional Year PharmD Curriculum. Krause J. Article 83, Issue 5.  
Applying Therapeutic Knowledge and Skills in a Large Group Problem-Based Class. Raman-Wilms L. Article 86, Issue 5.  
Pharmacy Curricula and Bellwether Changes in Payment for Pharmacy Practice Services. Fincham JE. Article 57, Issue 3.  
Pharmacists as Care Providers: Personal Attributes of Recent Pharmacy Graduates. Droegge M, Assa-Eley MT. Article 44, Issue 3.  
Design of a Pharmaceutical Care Laboratory: A Survey of Practitioners. Cherson RS, Bilger R, Mohr S, Wuller C. Article 03, Issue 1.
- Pharmaceutical Policy**  
Drug Use Management and Policy Residency: A Service-Learning Application. Conrad P, Murphy J, Sketris I. Article 96, Issue 5.
- Pharmaceutical Sciences**  
Graduate Education and Research at the University of Pittsburgh (GEAR-UP): A Program to Educate Students about Pharmaceutical Research. Poloyac S, Rohan L, Janjic J, Gibbs R, Kroboth P, Smith R. Article 91, Issue 5.
- Pharmacoeconomics**  
Pharmacoeconomic Education in Colleges of Pharmacy Outside of the United States. Nwokeji ED, Rascati KL. Article 52, Issue 3.
- Pharmacogenetics**  
Pharmacogenetics and Pharmacogenomics Instruction in Colleges and Schools of Pharmacy in the United States. Latif DA, McKay AB. Article 23, Issue 2.
- Pharmacogenomics**  
Pharmacogenetics and Pharmacogenomics Instruction in Colleges and Schools of Pharmacy in the United States. Latif DA, McKay AB. Article 23, Issue 2.
- Pharmacokinetics**  
Therapeutic Drug Management of Lithium. Cates M, Sims P. Article 88, Issue 5.  
Role of Protein Binding in Pharmacokinetics. Mehvar R. Article 103, Issue 5.
- Pharmacotherapy**  
Management of Stable Angina and Acute Coronary Syndromes. Cheng J. Article 99, Issue 5.  
The Pharmacotherapy of the Modern Day Epidemic Infection with Human Immunodeficiency Virus (HIV). Romanelli F. Article 72, Issue 4.
- Pharmacy College Admission Test (PCAT)**  
A Meta-Analysis of the Validity of the Pharmacy College Admission Test (PCAT) and Grade Predictors of Pharmacy Student Performance. Kuncel NR, Credé M, Thomas LL, Klieger DM, Seiler SN, Woo SE. Article 51, Issue 3.
- Pharmacy Education**  
Comparative NAPLEX Performance of Graduates of US Pharmacy Programs Accredited by ACPE Prior to and Since 1992. Zaremski DG, Signatur DJ, Spunt AL, Wadelin JW. Article 09, Issue 1.  
Continuous Professional Development: A Qualitative Study of Pharmacists' Attitudes, Behaviors, and Preferences in Ontario, Canada. Austin Z, Marini A, Macleod Glover N, Croteau D. Article 04, Issue 1.  
Enhancing Student Knowledge About the Prevalence and Consequences of Low Health Literacy. Sicut BL, Hill LH.



## Pharmacy Education *Continued*

Article 62, Issue 4.

Pharmacogenetics and Pharmacogenomics Instruction in Colleges and Schools of Pharmacy in the United States. Latif DA, McKay AB. Article 23, Issue 2.

Pharmacy Schools as Expert Communities of Practice? A Proposal to Radically Restructure Pharmacy Education to Optimize Learning. Duncan-Hewitt W, Austin Z. Article 54, Issue 3.

The Geriatric Medication Game in Pharmacy Education. Evans S, Lombardo M, Belgeri M, Fontane P. Article 46, Issue 3. Faculty, Student, and Practitioner Development Within a Community of Practice. Austin Z, Duncan-Hewitt W. Article 55, Issue 3.

Pharmacists as Care Providers: Personal Attributes of Recent Pharmacy Graduates. Droegge M, Assa-Eley MT. Article 44, Issue 3.

## Pharmacy Informatics

The Current State of Pharmacy Informatics Education in Professional Programs at US Colleges of Pharmacy. Flynn AJ. Article 66, Issue 4.

## Pharmacy Practice

Continuous Professional Development: A Qualitative Study of Pharmacists' Attitudes, Behaviors, and Preferences in Ontario, Canada. Austin Z, Marini A, Macleod Glover N, Croteau D. Article 04, Issue 1.

Teaching Pharmacy Practice Courses in a First-Professional Year PharmD Curriculum. Krause J. Article 83, Issue 5.

## Pharmacy Students

Assessing Pharmacy Student Self-Reported Empathic Tendencies. Lonie JM, Alemam R, Dhing C, Mihm D. Article 29, Issue 2.

Impact of a Lecture on Pharmacy Students' Interests in and Perceived Barriers to Residency Training. Baker E, Charymko M. Article 65, Issue 4.

Predictors of Academic Success and Failure in a Pharmacy Professional Program. Houglum JE, Aparasu RR, Delfinis TM. Article 43, Issue 3.

Student Attitudes, Values, and Beliefs Regarding Professionalism. Duke LJ, Kennedy WK, McDuffie CH, Miller MS, Sheffield MC, Chisholm MA. Article 104, Issue 5.

## Portfolio

Development of an Internet-based Management Tool for Advanced Practice Experience Distance Education Students. Ragan RE, Dahm SN. Article 47, Issue 3.

## Postgraduate Study

Graduate Education and Research at the University of Pittsburgh (GEAR-UP): A Program to Educate Students about Pharmaceutical Research. Poloyac S, Rohan L, Janjic J, Gibbs R, Kroboth P, Smith R. Article 91, Issue 5.

## Postgraduate Training

Characteristics of Doctor of Pharmacy Graduates Entering and Not Entering Residency Training Upon Graduation. McCollum M, Hansen LB. Article 42, Issue 3.

Impact of a Lecture on Pharmacy Students' Interests in and Perceived Barriers to Residency Training. Baker E, Charymko M. Article 65, Issue 4.

## Practice Experience

Comparison of Drug Information Practice Curriculum Components in US Colleges of Pharmacy. Cole SW, Berensen NM. Article 34, Issue 2.

## Practice Experience Placements

Implications of Advanced Pharmacy Practice Experience Placements: A 5-Year Update. Plaza CM, Reiersen Draugalis J. Article 45, Issue 3.

## Prescription Drugs

A Collaborative Student Project to Evaluate Switching Prescription Medications to Nonprescription Status. Zweber A, MacLean LG, Aebi C. Article 71, Issue 4.

## Primary Care

Teaching and Assessing Primary Care Skills: The Family Practice Simulator Model. Austin Z, Dolovich L, Lau E, Tabak D, Sellors C, Marini A, Kennie N. Article 68, Issue 4.

## Problem-based Learning

Applying Therapeutic Knowledge and Skills in a Large Group Problem-based Class. Raman-Wilms L. Article 86, Issue 5.

## Professionalism

The Development of a Professional: Reinterpretation of the Professionalization Problem From the Perspective of Cognitive/Moral Development. Duncan-Hewitt W. Article 06, Issue 1.

Student Attitudes, Values, and Beliefs Regarding Professionalism. Duke LJ, Kennedy WK, McDuffie CH, Miller MS, Sheffield MC, Chisholm MA. Article 104, Issue 5.

Students' Motivations for Class Attendance. Fjortoft N. Article 15, Issue 1.

## Protein Binding

Role of Protein Binding in Pharmacokinetics. Mehvar R. Article 103, Issue 5.

## Publishing

Equity, Accountability, Transparency: Implementation of the Contributorship Concept in a Multi-site Study. Devine EB, Beney J, Bero LA. Article 61, Issue 4.

## Recruitment

Pharmacy Faculty Workforce: Increasing the Numbers and Holding to High Standards of Excellence. Leslie S. Article 93, Issue 5.

## Refusal to Dispense

The Pharmacist's Right to Refuse: A Learning Opportunity. DiPiro J. Article 92, Issue 5.

## Reimbursement

Pharmacy Curricula and Bellwether Changes in Payment for Pharmacy Practice Services. Fincham JE. Article 57, Issue 3.

## Research

Graduate Education and Research at the University of Pittsburgh (GEAR-UP): A Program to Educate Students About Pharmaceutical Research. Poloyac S, Rohan L, Janjic J, Gibbs R, Kroboth P, Smith R. Article 91, Issue 5. The "Research Track" Concentration, a New PharmD Elective Option. Surratt C, Drennen J, Bricker D. Article 90, Issue 5.

## Research Articles

Assessing Pharmacy Student Self-Reported Empathic Tendencies. Lonie JM, Alemam R, Dhing C, Mihm D. Article 29, Issue 2.

Availability and Acceptability of Distance-Learning Delivery Systems for Continuing Pharmaceutical Education. Bruskiewitz RH, De Muth JE. Article 25, Issue 2.

Changes in Pharmacy Student Motivation During Progression Through the Curriculum. Hastings JK, West DS, Hong SH. Article 38, Issue 2.

Characteristics of Doctor of Pharmacy Graduates Entering and Not Entering Residency Training Upon Graduation. McCollum M, Hansen LB. Article 42, Issue 3.

Comparative NAPLEX Performance of Graduates of US Pharmacy Programs Accredited by ACPE Prior to and Since 1992. Zarembski DG, Signatur DJ, Spunt AL, Wadelin JW. Article 09, Issue 1.

A Comparison of Academic Performance of Off-Campus Nontraditional PharmD Students With Campus-Based PharmD Students. Breslow RM. Article 08, Issue 1.

Comparison of Drug Information Practice Curriculum Components in US Colleges of Pharmacy. Cole SW, Berensen NM. Article 34, Issue 2.



## Research Articles *Continued*

- Continuous Professional Development: A Qualitative Study of Pharmacists' Attitudes, Behaviors, and Preferences in Ontario, Canada. Austin Z, Marini A, Macleod Glover N, Croteau D. Article 04, Issue 1.
- The Current State of Pharmacy Informatics Education in Professional Programs at US Colleges of Pharmacy. Flynn AJ. Article 66, Issue 4.
- Developing a Sustainable Faculty Mentoring Program. Zeind CS, Zdanowicz M, MacDonald K, Parkhurst C, King C, Wizwer P. Article 100, Issue 5.
- Evaluation of Basic Compounding Skills of Pharmacy Students. Kadi A, Francioni-Proffitt D, Hindle M, Soine W. Article 69, Issue 4.
- Faculty Workload Comparison Between a Campus-based and Internet-based Patient Assessment Course. Lenz TL, Jones RM, Monaghan MS. Article 67, Issue 4.
- Geriatric Education Centers: Teaching and Learning Opportunities for Pharmacists. Mort JR, Odegard PS, Cochran GA. Article 31, Issue 2.
- Implications of Advanced Pharmacy Practice Experience Placements: A 5-Year Update. Plaza CM, Reiersen Draugalis J. Article 45, Issue 3.
- A Meta-Analysis of the Validity of the Pharmacy College Admission Test (PCAT) and Grade Predictors of Pharmacy Student Performance. Kuncel NR, Credé M, Thomas LL, Klieger DM, Seiler SN, Woo SE. Article 51, Issue 3.
- Pharmacists as Care Providers: Personal Attributes of Recent Pharmacy Graduates. Droegge M, Assa-Eley MT. Article 44, Issue 3.
- Pharmacoeconomic Education in Colleges of Pharmacy Outside of the United States. Nwokeji ED, Rascati KL. Article 52, Issue 3.
- Pharmacogenetics and Pharmacogenomics Instruction in Colleges and Schools of Pharmacy in the United States. Latif DA, McKay AB. Article 23, Issue 2.
- Pharmacy Students' Perspectives on Classroom Education About Herbal Supplements. Shah B, Siganga W, Mallya U, Shah S. Article 102, Issue 5.
- Pharmacy Students' Perspectives on the Value of Taking Call During Acute Care Practice Experiences. Vesta KS, Farmer KC, Stipek WJ. Article 48, Issue 3.
- Predictors of Academic Success and Failure in a Pharmacy Professional Program. Hougum JE, Aparasu RR, Delfinis TM. Article 43, Issue 3.
- Real-Time Standardized Participant Grading of an Objective Structured Clinical Examination. Stowe CD, Gardner SF. Article 41, Issue 3.
- Student Attitudes, Values, and Beliefs Regarding Professionalism. Duke LJ, Kennedy WK, McDuffie CH, Miller MS, Sheffield MC, Chisholm MA. Article 104, Issue 5.
- Students' Motivations for Class Attendance. Fjortoft N. Article 15, Issue 1.
- Students Whose First or Best Language Is Not English. Diaz-Gilbert M. Article 101, Issue 5.
- A Survey of Advanced Community Pharmacy Practice Experiences in the Final Year of the PharmD Curriculum at US Colleges and Schools of Pharmacy. Zarembski DG, Boyer JG, Vlasses PH. Article 02, Issue 1.
- Use of an Audience Response System to Introduce an Anticoagulation Guide to Physicians, Pharmacists, and Pharmacy Students. Trapskin PJ, Smith KM, Armitstead JA, Davis GA. Article 28, Issue 2.
- The Use of a Scholarship Committee to Foster Scholarly

Growth of Pharmacy Practice Faculty. Jackson T, McCord A, Dahdal W, Zgarick D, Brock K. Article 98, Issue 5.

Writing Skills of Advanced Pharmacy Practice Experience Pilot Study of a Distance-Learning Methodology Used on Campus for First Professional Degree Pharmacy Students in an Integrated Therapeutics Module. Faulkner TP, Christoff JJ, Sweeney MA, Oliver N. Article 07, Issue 1.

## Residency

- Characteristics of Doctor of Pharmacy Graduates Entering and Not Entering Residency Training Upon Graduation. McCollum M, Hansen LB. Article 42, Issue 3.
- Drug Use Management and Policy Residency: A Service-Learning Application. Conrad P, Murphy J, Sketris I. Article 96, Issue 5.
- Impact of a Lecture on Pharmacy Students' Interests in and Perceived Barriers to Residency Training. Baker E, Charymko M. Article 65, Issue 4.
- The Role of Residencies in the Education Continuum. Nappi J. Article 58, Issue 3.
- Teaching Residents How to Teach: A Scholarship of Teaching and Learning Certificate Program (STLC) for Pharmacy Residents. Romanelli F, Smith KM, Brandt BF. Article 20, Issue 2.

## Reviews

- The Development of a Professional: Reinterpretation of the Professionalization Problem From the Perspective of Cognitive/Moral Development. Duncan-Hewitt W. Article 06, Issue 1.
- Online Student Course Evaluations: Review of Literature and a Pilot Study. Anderson HM, Cain J, Bird E. Article 05, Issue 1.

## Role Play

- The Geriatric Medication Game in Pharmacy Education. Evans S, Lombardo M, Belgeri M, Fontane P. Article 46, Issue 3.

## Rotation

- Development of an Internet-based Management Tool for Advanced Practice Experience Distance Education Students. Ragan RE, Dahm SN. Article 47, Issue 3.

## Scholarship

- Developing a Sustainable Faculty Mentoring Program. Zeind CS, Zdanowicz M, MacDonald K, Parkhurst C, King C, Wizwer P. Article 100, Issue 5.
- The Use of a Scholarship Committee to Foster Scholarly Growth of Pharmacy Practice Faculty. Jackson T, McCord A, Dahdal W, Zgarick D, Brock K. Article 98, Issue 5.

## Self-Assessment

- Student and Preceptor Perception of Performance in Advanced Pharmacy Practice Experiences. Hill LH, Kirkwood CK. Article 63, Issue 4.

## Semantic Differential Scale

- Construction, Implementation, and Analysis of Summated Rating Attitude Scales. Desselle S. Article 97, Issue 5.

## Service-Learning

- The Development and Assessment of a Medical Mission Elective Course. Ward CT, Nemire RE, Daniel KP. Article 50, Issue 3.
- Drug Use Management and Policy Residency: A Service-Learning Application. Conrad P, Murphy J, Sketris I. Article 96, Issue 5.
- Service-Learning at a Camp for Children With Asthma as Part of an Advanced Pharmacy Practice Experience. Kirwin JL, Van Amburgh JA, Napoli KM. Article 49, Issue 3.

## Simulation

- Teaching and Assessing Primary Care Skills: The Family Practice Simulator Model. Austin Z, Dolovich L, Lau E, Tabak D, Sellors C, Marini A, Kennie N. Article 68, Issue 4.

## Special Articles

- Construction, Implementation, and Analysis of Summated Rating Attitude Scales. Desselle S. Article 97, Issue 5.
- A Review of Educational Assessment. Anderson HM, Anaya G, Bird E, Moore DL. Article 12, Issue 1.
- Equity, Accountability, Transparency: Implementation of the Contributorship Concept in a Multi-site Study. Devine EB, Beney J, Bero LA. Article 61, Issue 4.
- Preface: A Methodological Series on Assessment. Anderson HM. Article 11, Issue 1.
- Student Learning Outcomes Assessment: A Component of Program Assessment. Anderson HM, Moore DL, Anaya G, Bird E. Article 39, Issue 2.
- Beginning an Assessment Project: A Case Study Using Data Audit and Content Analysis. Bird E, Anderson HM, Anaya G, Moore DL. Article 53, Issue 3.
- Pharmacy Schools as Expert Communities of Practice? A Proposal to Radically Restructure Pharmacy Education to Optimize Learning. Duncan-Hewitt W, Austin Z. Article 54, Issue 3.
- Faculty, Student, and Practitioner Development Within a Community of Practice. Austin Z, Duncan-Hewitt W. Article 55, Issue 3.
- Standardized Participants**
- Real-Time Standardized Participant Grading of an Objective Structured Clinical Examination. Stowe CD, Gardner SF. Article 41, Issue 3.
- Standardized Patients**
- Teaching and Assessing Primary Care Skills: The Family Practice Simulator Model. Austin Z, Dolovich L, Lau E, Tabak D, Sellors C, Marini A, Kennie N. Article 68, Issue 4.
- Statins**
- Antihyperlipidemic Statins: A Self-Contained, Clinically Relevant Medicinal Chemistry Lesson. Roche VF. Article 77, Issue 4.
- Simulated Patient**
- Internet-Based Medical Chart for Documentation and Evaluation of Simulated Patient Care Activities. Brown MC. Article 30, Issue 2.
- Situational Learning**
- Instilling Practical Knowledge About Nonprescription Product Use. Hamilton W, Padron V. Article 84, Issue 5.
- Student Attitudes**
- Characteristics of Doctor of Pharmacy Graduates Entering and Not Entering Residency Training Upon Graduation. McCollum M, Hansen LB. Article 42, Issue 3.
- Student Learning**
- Teaching Glycolysis With the Student's Perspective in Mind. Karimi R. Article 85, Issue 5.
- Student Projects**
- A Collaborative Student Project to Evaluate Switching Prescription Medications to Nonprescription Status. Zweber A, Garrelts MacLean L, Aebi C. Article 71, Issue 4.
- Survey Research**
- Construction, Implementation, and Analysis of Summated Rating Attitude Scales. Desselle S. Article 97, Issue 5.
- Teachers' Topics**
- Management of Stable Angina and Acute Coronary Syndromes. Cheng J. Article 99, Issue 5.
- Role of Protein Binding in Pharmacokinetics. Mehvar R. Article 103, Issue 5.
- An Interdisciplinary Collaboration to Improve Critical Thinking Among Pharmacy Students. Powers MF, Jones-Walker J. Article 70, Issue 4.
- Applying Therapeutic Knowledge and Skills in a Large Group Problem-Based Class. Raman-Wilms L. Article 86, Issue 5.
- Insulin and Oral Antidiabetic Agents. Mehanna A. Article 89, Issue 5.

## Teachers' Topics Continued

- Microvascular and Macrovascular Complications of Diabetes Mellitus. King K, Jones J, Warthen J. Article 87, Issue 5.
- Teaching Glycolysis With the Student's Perspective in Mind. Karimi R. Article 85, Issue 5.
- Therapeutic Drug Management of Lithium. Cates M, Sims P. Article 88, Issue 5.
- Enhancing Cultural Competency in a College of Pharmacy Curriculum. Westberg S, Bumgardner M, Lind P. Article 82, Issue 5.
- Instilling Practical Knowledge About Nonprescription Product Use. Hamilton W, Padron V. Article 84, Issue 5.
- Teaching Pharmacy Practice Courses in a First-Professional Year PharmD Curriculum. Krause J. Article 83, Issue 5.
- A Collaborative Student Project to Evaluate Switching Prescription Medications to Nonprescription Status. Zweber A, Garrelts MacLean L, Aebi C. Article 71, Issue 4.
- The Pharmacotherapy of the Modern Day Epidemic Infection with Human Immunodeficiency Virus (HIV). Romanelli F. Article 72, Issue 4.
- Antihyperlipidemic Statins: A Self-Contained, Clinically Relevant Medicinal Chemistry Lesson. Roche VF. Article 77, Issue 4.
- Teaching**
- Faculty Workload Comparison Between a Campus-based and Internet-based Patient Assessment Course. Lenz TL, Jones RM, Monaghan MS. Article 67, Issue 4.
- Developing a Sustainable Faculty Mentoring Program. Zeind CS, Zdanowicz M, MacDonald K, Parkhurst C, King C, Wizwer P. Article 100, Issue 5.
- Teaching Pharmacy Practice Courses in a First-Professional Year PharmD Curriculum. Krause J. Article 83, Issue 5.
- Teaching Residents How to Teach: A Scholarship of Teaching and Learning Certificate Program (STLC) for Pharmacy Residents. Romanelli F, Smith KM, Brandt BF. Article 20, Issue 2.
- Teaching the Basics of Nuclear Receptor Action: A Simple Laboratory Exercise Using the Yeast Two-Hybrid Method. Mäkinen J, Petersen S, Honkakoski P. Article 26, Issue 2.
- Teaching Methods**
- Development and Implementation of a Web-Based Advanced Teaching Experience. Pruchnicki MC, Bennett MS, Legg JE, Mungall D. Article 22, Issue 2.
- Technology**
- The Current State of Pharmacy Informatics Education in Professional Programs at US Colleges of Pharmacy. Flynn AJ. Article 66, Issue 4.
- Therapeutic Drug Monitoring**
- Therapeutic Drug Management of Lithium. Cates M, Sims P. Article 88, Issue 5.
- Therapeutics**
- Instilling Practical Knowledge About Nonprescription Product Use. Hamilton W, Padron V. Article 84, Issue 5.
- Applying Therapeutic Knowledge and Skills in a Large Group Problem-Based Class. Raman-Wilms L. Article 86, Issue 5.
- Thermodynamics**
- Teaching Glycolysis With the Student's Perspective in Mind. Karimi R. Article 85, Issue 5.
- Viewpoints**
- Advancing the Academy's Agenda Through Volunteer Service. Flynn A. Article 95, Issue 5.
- The Pharmacist's Right to Refuse: A Learning Opportunity. DiPiro J. Article 92, Issue 5.
- Planting Faculty Seed. Carter R. Article 94, Issue 5.
- Pharmacy Faculty Workforce: Increasing the Numbers and Holding to High Standards of Excellence. Leslie S. Article 93, Issue 5.
- Do You Have a Conflict? DiPiro JT. Article 18, Issue 1.
- The Class of 2015. Maine LL. Article 56, Issue 3.

#### Viewpoints *Continued*

Risk Taking: A Distinguishing Factor of Good versus Great Teachers. Brazeau GA. Article 74, Issue 4.

The Continua of Learning – Cross Disciplinary Lessons. Maine LL. Article 17, Issue 1.

Survey Research Anyone? (Sometimes You Just Have to Say “No”). Draugalis JR. Article 16, Issue 1.

The Significance of Pharmacogenomics in Pharmacy Education and Practice. Moridani MY. Article 37, Issue 2.

Greater Implementation of Competency Guidelines in the Pharmacy Curriculum Needed. Yanchick VA. Article 36, Issue 2.

The Importance of Administrators in Higher Education Continuing to Teach. Fink III JL. Article 75, Issue 4.

Optimizing Professional Education in Pharmacy: Are the Ingredients as Important as the Recipe? DeLander GE. Article 35, Issue 2.

Pharmacy Curricula and Bellwether Changes in Payment for Pharmacy Practice Services. Fincham JE. Article 57, Issue 3.

The Role of Residencies in the Education Continuum. Nappi J. Article 58, Issue 3.

#### Virtual Learning

Pilot Study of a Distance-Learning Methodology Used on Campus for First Professional Degree Pharmacy Students in an Integrated Therapeutics Module. Faulkner TP, Christoff JJ, Sweeney MA, Oliver N. Article 07, Issue 1.

Development and Implementation of a Web-Based Advanced Teaching Experience. Pruchnicki MC, Bennett MS, Legg JE, Mungall D. Article 22, Issue 2.

#### Volume of Distribution

Role of Protein Binding in Pharmacokinetics. Mehvar R. Article 103, Issue 5.

#### Volunteer

Advancing the Academy's Agenda Through Volunteer Service. Flynn A. Article 95, Issue 5.

#### Workforce

Planting Faculty Seed. Carter R. Article 94, Issue 5.

#### Writing

Writing Skills of Advanced Pharmacy Practice Experience Students Whose First or Best Language Is Not English. Diaz-Gilbert M. Article 101, Issue 5.

